

CAL POLY

GRANTS DEVELOPMENT OFFICE
Research and Graduate Programs

**ANNUAL REPORT
OF EXTRAMURAL FUNDING
2009-2010**

<http://www.grants.calpoly.edu/>



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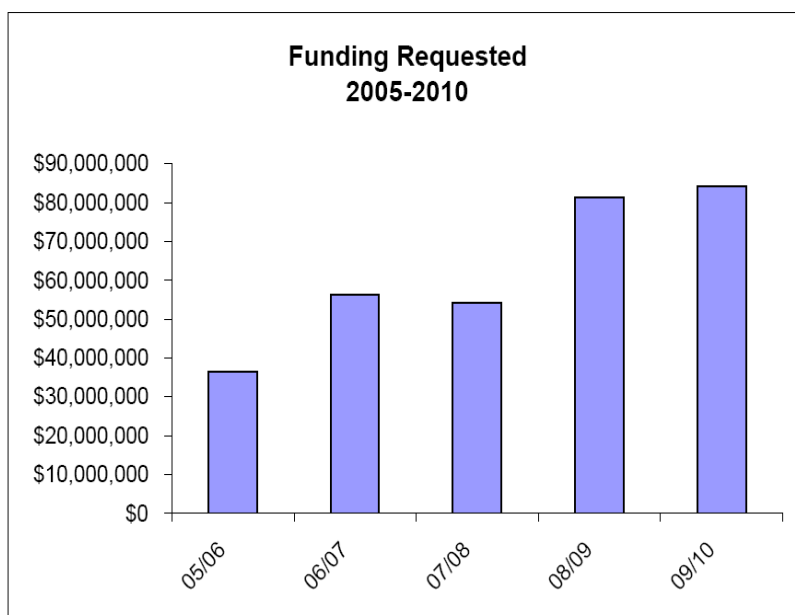
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INTRODUCTION

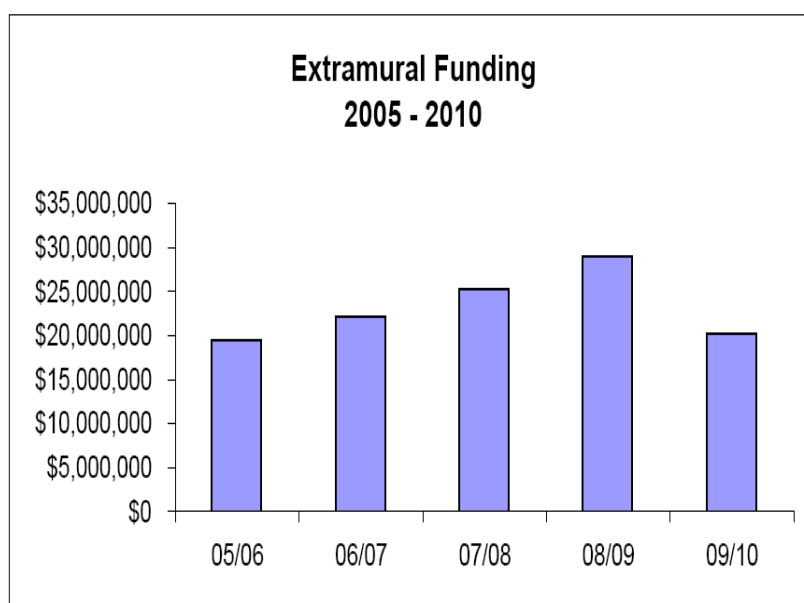
During the fiscal year 2009-2010, which covers the reporting period from July 1, 2009 to June 30, 2010, the Cal Poly Grants Development Office assisted 289 Cal Poly faculty and staff in the submission of 329 proposals requesting \$84,398,078 in funding. This submission rate represents another record year in proposal activity for Cal Poly and reflects increases from last year's rate in both total number of submissions and dollars requested. The amount of external funds awarded to the University during this period, however, showed a downward trend for the first time in five years, decreasing to 05/06 levels. An analysis of last year's

funding shows that the difference is likely due to the poor state of the economy, with substantial decreases in federal, state, and local government awards. Significant decreases were also seen in awards from non-profit and private entities. A comparison of funding over the past three fiscal years has been included on page 10 of this report. The intent of this report is to provide a useful overview of Cal Poly's performance in securing external funding for sponsored



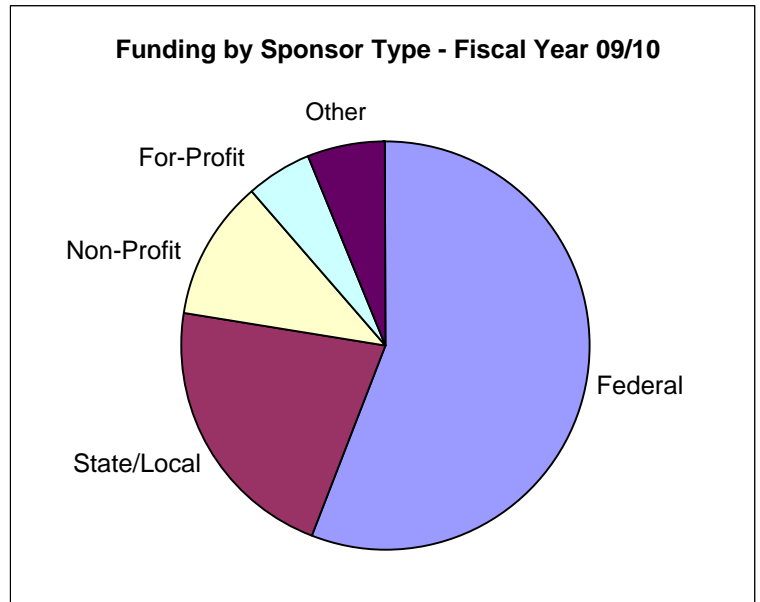
projects, which include research, curriculum development, equipment acquisition, professional development, education, and training. Detailed reports for the past several years can also be found on the web at:

**[http://www.grants.
.calpoly.edu/](http://www.grants.calpoly.edu/)**

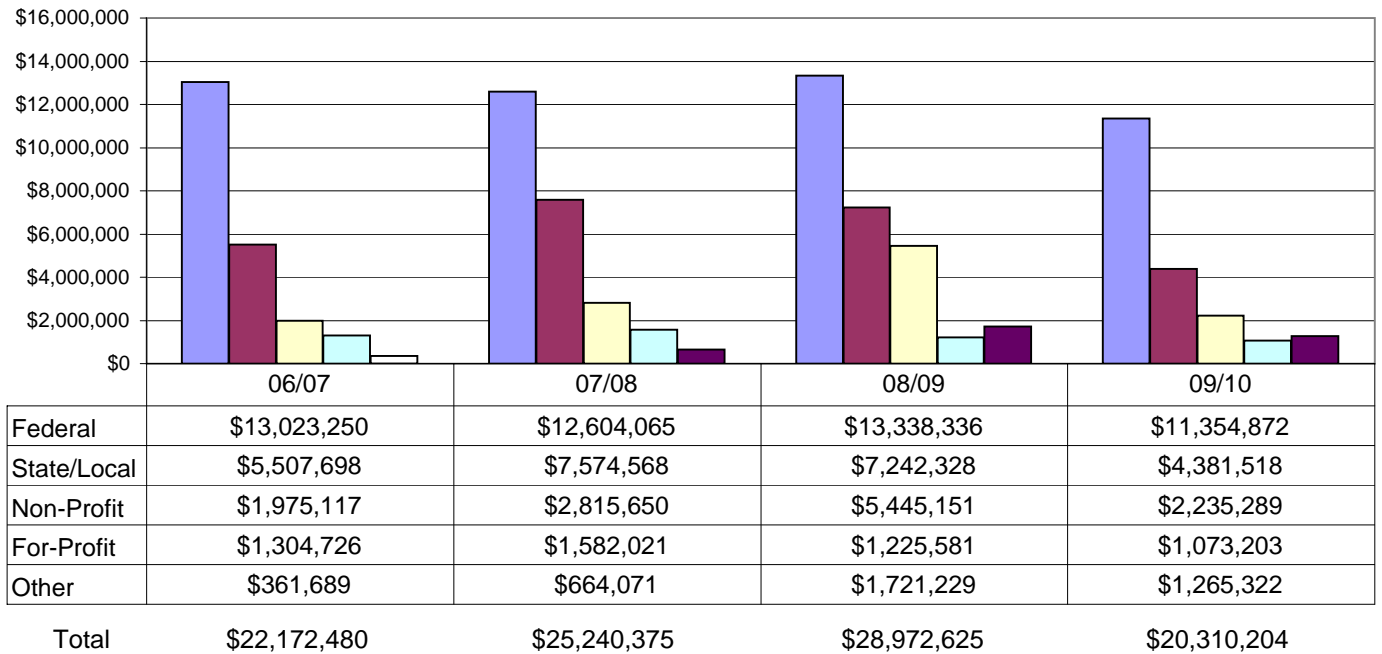


Summary of Funding in FY 09/10 by Sponsor Type

Fiscal Year 09/10		
Sponsor Type	Funding	% of Total
Federal	\$11,354,872	56%
State/Local	\$4,381,518	22%
Non-Profit	\$2,235,289	11%
For-Profit	\$1,073,203	5%
Other	\$1,265,322	6%
Total	\$20,310,204	



Funding by Sponsor Type 06/07 to 09/10

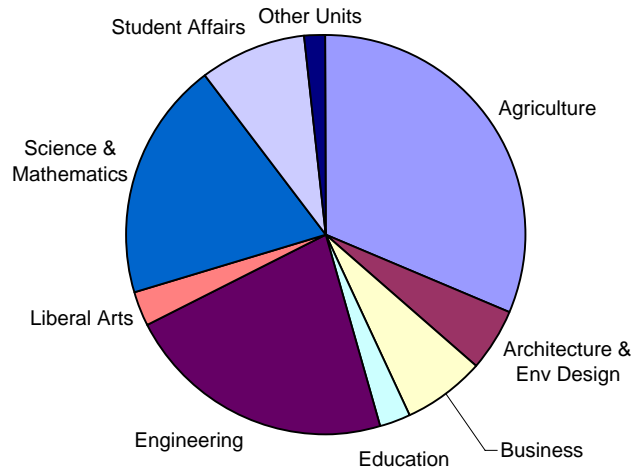


Summary of Funding in FY 09/10 by College/Unit

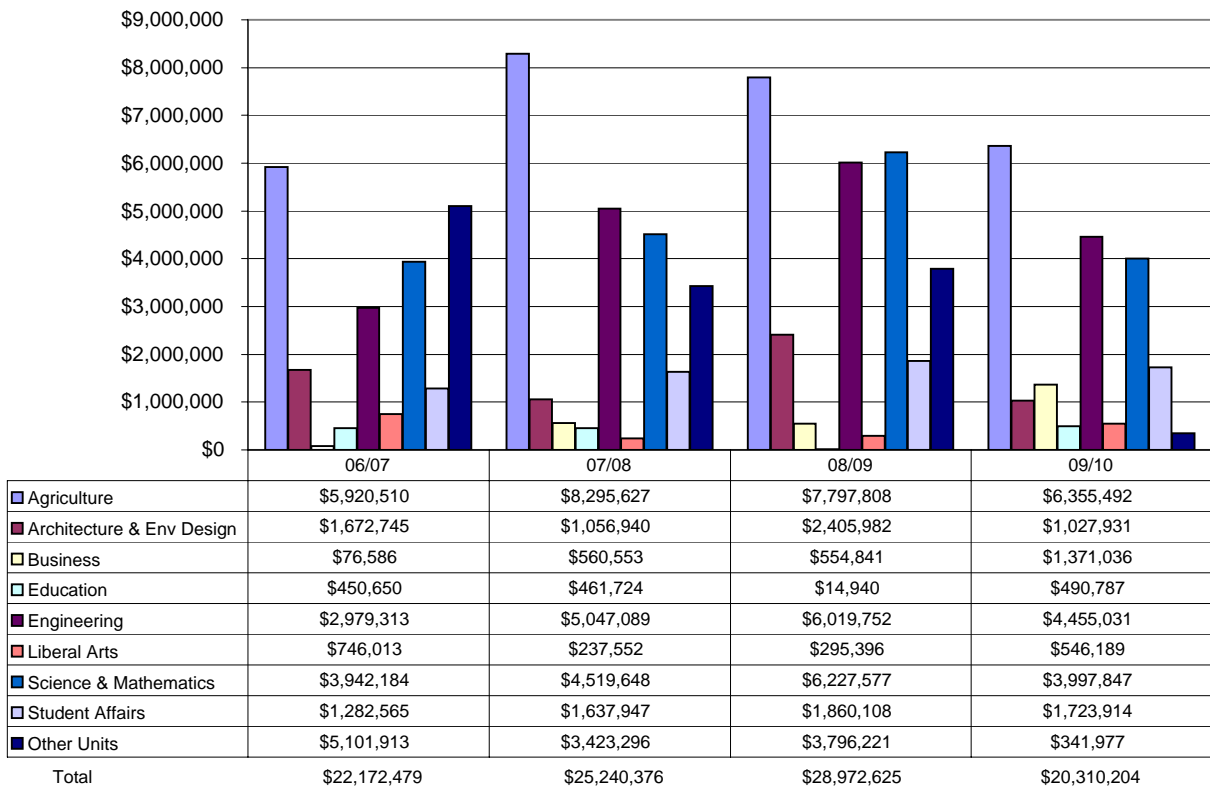
Fiscal Year 09/10

College	Funding
Agriculture	\$6,355,492
Architecture & Env Design	\$1,027,931
Business	\$1,371,036
Education	\$490,787
Engineering	\$4,455,031
Liberal Arts	\$546,189
Science & Mathematics	\$3,997,847
Student Affairs	\$1,723,914
Other Units	\$341,977
Total	\$20,310,204

Funding by College/Unit - Fiscal Year 09/10



Funding by College/Unit 06/07 to 09/10



Funding by College/Unit Fiscal Years 08/09 and 09/10

AWARDS

	7/1/08 - 6/30/09				7/1/09 - 6/30/10				
	# Faculty	% of Total	# Awards	Award \$	# Faculty	% of Total	# Awards	Award \$	Per Capita \$
Agriculture	42	47.19%	83	\$7,797,808	46	49.46%	85	\$6,355,492	\$68,339
Architecture & Env Design	10	17.24%	15	\$2,405,982	8	11.59%	15	\$1,027,931	\$14,898
Business	5	9.62%	5	\$554,841	6	10.53%	11	\$1,371,036	\$24,053
Education	2	15.38%	2	\$14,940	1	0.00%	1	\$490,787	\$0
Engineering	29	25.22%	50	\$6,019,752	28	22.76%	49	\$4,455,031	\$36,220
Liberal Arts	6	3.87%	13	\$295,396	8	4.91%	13	\$546,189	\$3,351
Library	0	0.00%	0	\$0	0	0.00%	0	\$0	\$0
Other Units	6		9	\$3,796,221	6		11	\$341,977	
Science & Math	31	24.41%	43	\$6,227,577	29	20.00%	47	\$3,997,847	\$27,571
Student Affairs	6		11	\$1,860,108	7		10	\$1,723,914	
Total:	137	22.13%	231	\$28,972,625	139	21.12%	242	\$20,310,203	\$30,867

Key to Table: % of Total = # Faculty as a percentage of tenured and tenure-track faculty in the college/unit; Per Capita \$ = total dollars divided by the total number of tenured and tenure-track faculty in the college/unit. Shaded area represents an increase over previous year.

SUMMARY OF FUNDING IN FY 09/10 BY COLLEGE/UNIT AND DEPARTMENT

Agriculture, Food & Env Sciences

Agribusiness	\$497,167
Agricultural Education	\$22,316
Animal Science	\$249,430
BioResource and Agricultural Engineering	\$1,761,635
Dairy Science	\$1,602,967
Food Science & Nutrition	\$281,515
Horticulture & Crop Science	\$84,736
Natural Resource Management	\$1,810,881
Recreation, Parks, & Tourism Administration	\$44,845
Total for Agriculture, Food & Env	\$6,355,492

Architecture & Env Design

Architectural Engineering	\$10,000
Architecture	\$719,958
City & Regional Planning	\$263,789
Construction Management	\$34,184
Total for Architecture & Env Design	\$1,027,931

Business

Accounting	\$40,000
Economics	\$351,856
Finance	\$28,897
Industrial Technology	\$950,283
Total for Business	\$1,371,036

Education

Education	\$490,787
Total for Education	\$490,787

Engineering

Aerospace Engineering	\$1,433,059
Civil & Environmental Engineering	\$884,498
College of Engineering	\$955,948
Computer Science	\$336,607
Electrical Engineering	\$114,083

Engineering (Cont.)

Materials Engineering	\$15,475
Mechanical Engineering	\$613,486
Multicultural Engineering Program	\$101,875
Total for Engineering	\$4,455,031

Liberal Arts

Cal Poly Arts	\$9,500
Graphic Communication	\$112,952
Philosophy	\$10,000
Psychology & Child Development	\$265,694
Social Sciences	\$148,043
Total for Liberal Arts	\$546,189

Science & Mathematics

Biological Sciences	\$1,393,221
Chemistry and Biochemistry	\$497,328
Kinesiology	\$465,052
Mathematics	\$75,109
Physics	\$1,567,137
Total for Science & Mathematics	\$3,997,847

Student Affairs

Student Academic Services	\$921,986
Student Life & Leadership	\$801,928
Total for Student Affairs	\$1,723,914

Other

Academic Programs	\$116,731
Center for Teaching & Learning	\$9,720
Facility Services	\$94,766
Honors Program	\$93,000
Performing Arts Center	\$4,000
University Police Department	\$23,760
Total for Other	\$341,977

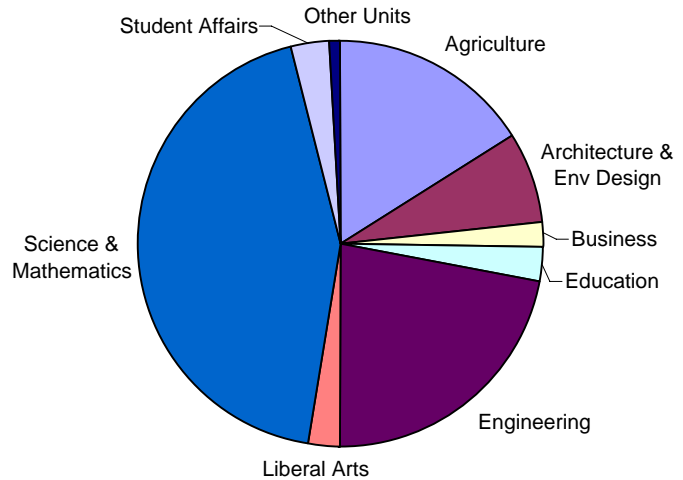
GRAND TOTAL: \$20,310,204

Summary of Funding Requested in FY 09/10 by College/Unit

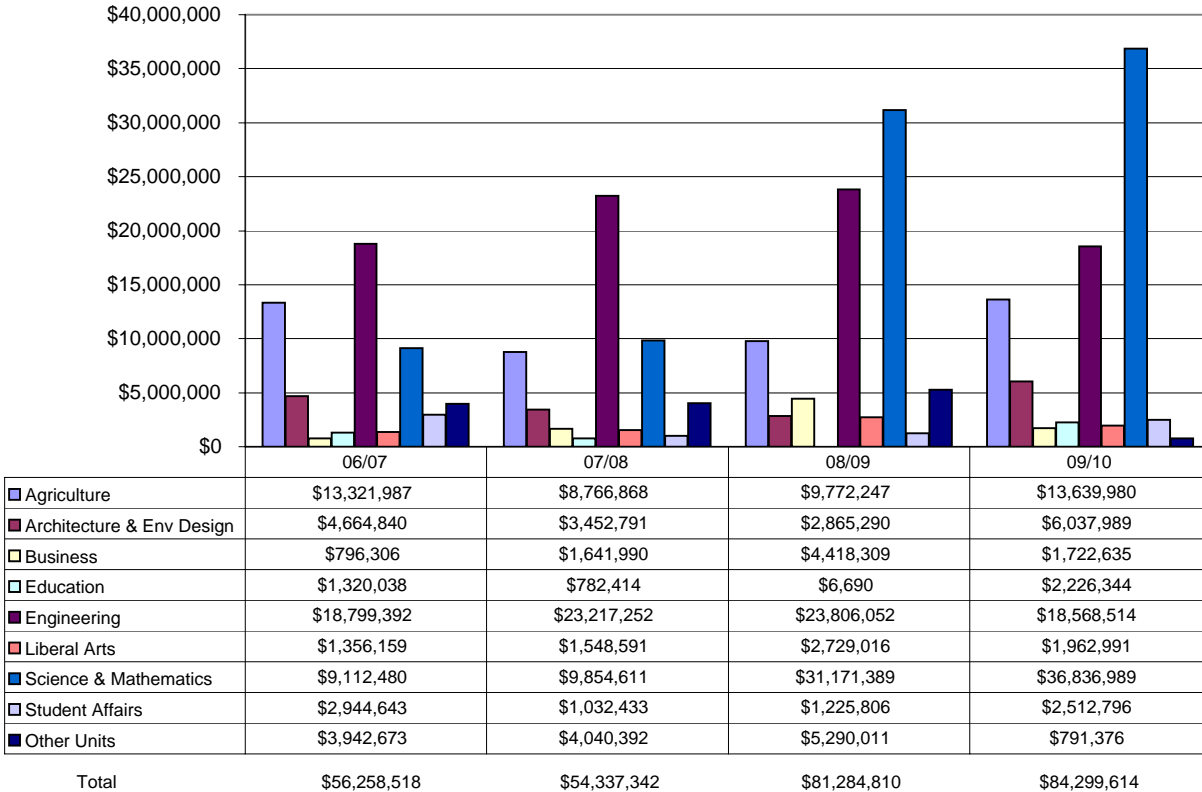
Fiscal Year 09/10

College	Funds Requested
Agriculture	\$13,639,980
Architecture & Env Design	\$6,037,989
Business	\$1,722,635
Education	\$2,226,344
Engineering	\$18,568,514
Liberal Arts	\$1,962,991
Science & Mathematics	\$36,836,989
Student Affairs	\$2,512,796
Other Units	\$791,376
Total	\$84,299,614

**Funds Requested by College/Unit
Fiscal Year 09/10**



Funds Requested by College/Unit 06/07 to 09/10



Funding Requested by College/Unit Fiscal Years 08/09 and 09/10

SUBMISSIONS

	7/1/08 - 6/30/09				7/1/09 - 6/30/10				
	# Faculty	% of Total	# Proposals	Proposal \$	# Faculty	% of Total	# Proposals	Proposal \$	Per Capita \$
Agriculture	38	42.70%	77	\$9,772,247	42	45.16%	81	\$13,639,980	\$146,666
Architecture & Env Design	15	25.86%	24	\$2,865,290	15	21.74%	24	\$6,037,989	\$87,507
Business	4	7.69%	9	\$4,418,309	9	15.79%	14	\$1,722,635	\$30,222
Education	2	15.38%	2	\$6,690	1	0.00%	1	\$2,226,344	\$0
Engineering	44	38.26%	99	\$23,806,052	47	38.21%	89	\$18,568,514	\$150,964
Liberal Arts	12	7.74%	24	\$2,729,016	8	4.91%	20	\$1,962,991	\$12,043
Library	0	0.00%	0	\$0	0	0.00%	0	\$0	\$0
Other Units	8		15	\$5,290,011	7		11	\$791,376	
Science & Math	30	23.62%	51	\$31,171,389	38	26.21%	80	\$36,836,989	\$254,048
Student Affairs	5		10	\$1,225,806	5		8	\$2,512,796	
Total:	158	25.53%	311	\$81,284,810	172	26.14%	328	\$84,299,614	\$128,115

Key to Table: % of Total = # Faculty as a percentage of tenured and tenure-track faculty in the college/unit; Per Capita \$ = total dollars divided by the total number of tenured and tenure-track faculty in the college/unit. Shaded area represents an increase over previous year.

FUNDING REQUESTED IN FY 09/10 BY COLLEGE/UNIT AND DEPARTMENT

Agriculture, Food & Env Sciences

Agribusiness	\$563,729
Agricultural Education	\$26,798
Animal Science	\$1,184,403
BioResource and Agricultural Engineering	\$2,319,749
College of Agriculture	\$3,809,201
Dairy Science	\$1,601,973
Food Science & Nutrition	\$1,113,746
Horticulture & Crop Science	\$605,363
Natural Resource Management	\$2,227,672
Recreation, Parks, & Tourism Administration	\$187,346
Total for Agriculture, Food & Env	\$13,639,980

Architecture & Env Design

Architectural Engineering	\$641,598
Architecture	\$4,447,035
City & Regional Planning	\$173,723
Construction Management	\$590,633
Landscape Architecture	\$185,000
Total for Architecture & Env Design	\$6,037,989

Business

Accounting	\$275,964
Finance	\$58,897
Industrial Technology	\$994,539
Management	\$99,327
Marketing	\$293,908
Total for Business	\$1,722,635

Education

Education	\$2,226,344
Total for Education	\$2,226,344

Engineering

Aerospace Engineering	\$1,463,175
Biomedical and General Engineering	\$1,757,144
Civil & Environmental Engineering	\$3,693,758
College of Engineering	\$340,000
Computer Science	\$2,926,099

Engineering (Cont.)

Electrical Engineering	\$1,822,633
Industrial & Manufacturing Engineering	\$299,480
Materials Engineering	\$1,037,287
Mechanical Engineering	\$5,210,188
Multicultural Engineering Program	\$18,750
Total for Engineering	\$18,568,514

Liberal Arts

Art & Design	\$47,302
Cal Poly Arts	\$67,366
Philosophy	\$878,873
Psychology & Child Development	\$946,199
Social Sciences	\$23,251
Total for Liberal Arts	\$1,962,991

Science & Mathematics

Biological Sciences	\$12,042,294
Chemistry and Biochemistry	\$11,278,151
Education	\$449,648
Graduate Studies in Education	\$18,992
Kinesiology	\$2,496,030
Mathematics	\$1,689,806
Physics	\$8,862,068
Total for Science & Mathematics	\$36,836,989

Student Affairs

Student Academic Services	\$1,594,924
Student Life & Leadership	\$917,872
Total for Student Affairs	\$2,512,796

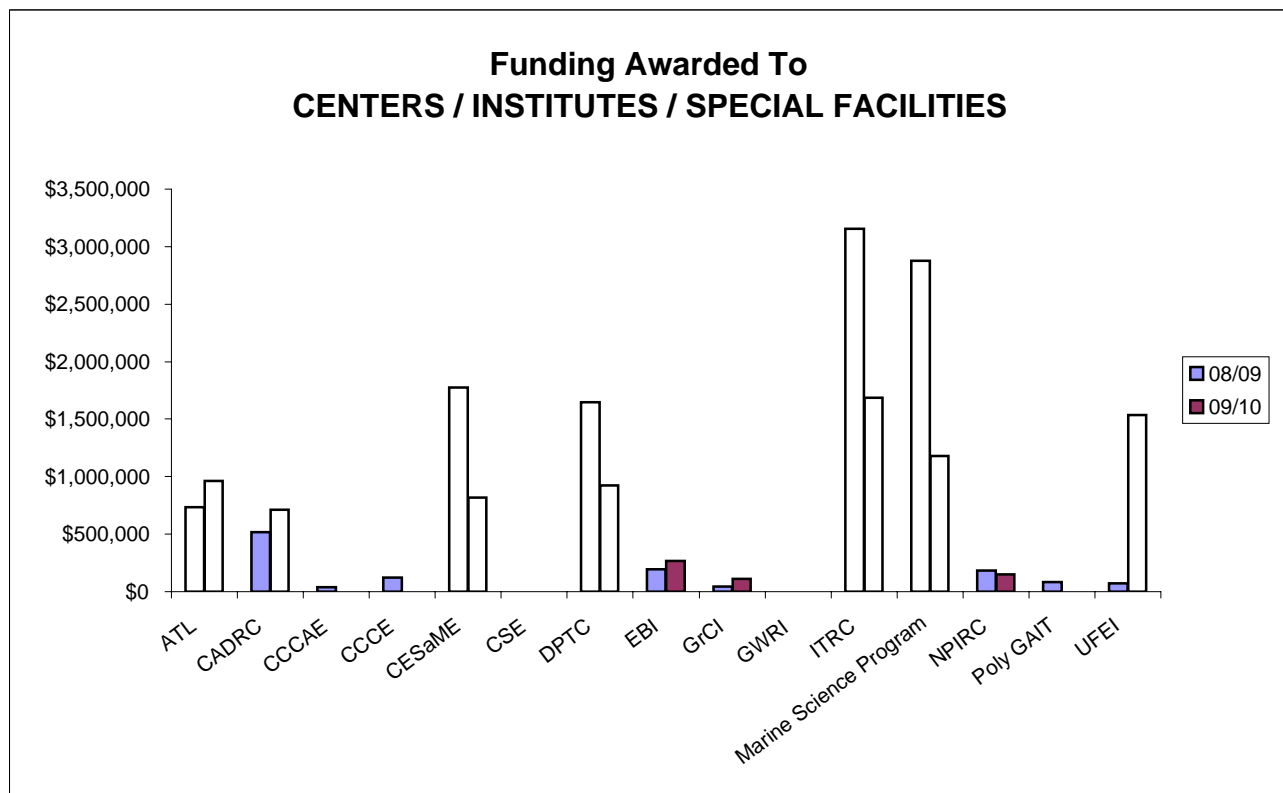
Other

Academic Programs	\$30,731
Center for Teaching & Learning	\$9,708
Grants Development Office	\$30,000
Honors Program	\$644,459
Performing Arts Center	\$17,000
Research & Graduate Programs	\$40,500
University Police Department	\$18,978
Total for Other	\$791,376

Total Dollars Submitted **\$84,299,614**

FUNDING AWARDED TO CENTERS/INSTITUTES/SPECIAL FACILITIES

UNIT	AWARDS	
	08/09	09/10
Advanced Technology Lab (ATL)	\$731,971	\$961,871
Collaborative Agent Design Research Center (CADRC)	\$519,977	\$709,958
Central Coast Center for Arts Education (CCCAE)	\$40,000	\$0
California Center for Construction Education (CCCE)	\$125,145	\$0
Center for Excellence in Science and Mathematics Education (CESaME)	\$1,777,422	\$818,451
Center for Sustainability in Engineering (CSE)	\$0	\$2,500
Dairy Products Technology Center (DPTC)	\$1,644,505	\$925,626
Environmental Biotechnology Institute (EBI)	\$192,937	\$265,533
Graphic Communication Institute (GrCI)	\$44,002	\$112,952
Irrigation Training and Research Center (ITRC)	\$3,156,236	\$1,684,183
Marine Science Program	\$2,875,047	\$1,178,999
National Pool Industry Research Center (NPIRC)	\$183,977	\$148,908
Center for Global Automatic Identification Technologies (Poly GAIT)	\$85,000	\$0
Urban Forest Ecosystems Institute (UFEI)	\$70,745	\$1,535,942
	\$11,446,964	\$8,344,923



Three-Year Comparison by Funding Source

	Funding Source	FY 2008	FY 2009	FY 2010	% Change '09 to '10
Federal					
	U.S. Dept of Defense	\$4,784,644	\$3,548,770	\$1,587,482	-55.3%
	NASA	\$1,814,304	\$3,403,184	\$1,220,368	-64.1%
	National Oceanic and Atmospheric Administration	\$30,000	\$106,166	\$211,407	99.1%
	National Science Foundation	\$1,679,275	\$2,806,773	\$2,121,229	-24.4%
	National Institutes of Health	\$394,050	\$596,192	\$413,148	-30.7%
	U.S. Dept of Education	\$1,234,810	\$911,009	\$1,444,809	58.6%
	Other Federal	\$2,636,232	\$1,966,242	\$4,356,429	122%
Total Federal		\$12,573,314	\$13,338,336	\$11,354,871	-14.9%
State					
	CSU - Agricultural Research Initiative	\$1,174,602	\$1,253,406	\$1,343,517	7.2%
	California Institute for Regenerative Medicine	\$0	\$0	\$945,948	N/A
	CA Dept of Forestry	\$540,441	\$116,000	\$466,500	302%
	CA State Coastal Conservancy	\$78,402	\$0	\$242,803	N/A
	CSU San Bernardino	\$10,006	\$79,314	\$202,792	156%
	CA Dept of Transportation (Caltrans)	\$409,999	\$1,532,692	\$175,063	-88.6%
	University of California	\$222,937	\$225,594	\$156,840	-30.5%
	CA Postsecondary Education Commission	\$200,000	\$0	\$100,000	N/A
	State Other	\$4,750,417	\$2,879,181	\$385,304	-198%
Total State		\$7,386,804	\$6,086,187	\$4,018,767	-34.0%
Total Local Gov't		\$218,515	\$1,156,141	\$362,751	-68.6%
Non-Profit					
	Dairy Management, Inc.	\$724,921	\$822,058	\$540,759	-34.2%
	Various Non-Profit Organizations	\$249,654	\$403,569	\$266,200	-34.0%
	S .D. Bechtel, Jr. Foundation	\$515,000	\$565,000	\$265,000	-53.1%
	Keck Foundation	\$0	\$0	\$250,000	N/A
	CA Dairy Research Foundation	\$508,694	\$558,899	\$234,100	-58.1%
	Planetary Society via Stellar Explorations	\$0	\$0	\$159,600	N/A
	National Plasterers Council Inc.	\$296,564	\$183,977	\$142,485	-22.6%
	Non-Profit Other	\$520,817	\$2,911,648	\$377,145	-87.0%
Total Non-Profit		\$2,815,650	\$5,445,151	\$2,235,289	-58.9%
For-Profit					
	Southern California Edison	\$0	\$67,950	\$400,000	489%
	Northrop Grumman	\$0	\$94,412	\$228,141	142%
	Henkel - Industrial Adhesives and LBP	\$0	\$0	\$159,059	N/A
	For-Profit Other	\$1,582,021	\$1,063,219	\$286,003	-73.1%
Total For-Profit		\$1,582,021	\$1,225,581	\$1,073,203	-12.4%
Total Other		\$664,071	\$1,721,229	\$1,265,322	-26.5%
TOTAL		\$25,240,375	\$28,972,625	\$20,310,203	-29.9%

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
<u>Agriculture, Food & Env Sciences</u>		
<u>Agribusiness</u>		
Amspacher, William	Pack Family/PMA Career Pathways - Fresh Summit Conference Produce Marketing Association Education Foundation	\$2,285
Cai, Xiaowei	Trans-Pacific Demands for California Organic Food CSU - Agricultural Research Initiative	\$5,000
Cai, Xiaowei	Market Analysis of Ethanol Capacity CSU - Agricultural Research Initiative	\$20,000
Cai, Xiaowei	The Organization, Regulation and Performance of the US Food System: Market Analysis of Ethanol Capacity U.S. Dept of Agriculture (NIFA) via University of Wisconsin - Madison	\$6,000
Hurley, Sean	Energy, Economic, and Environmental Performance of Dairy Bio-power and Bio-methane Systems CA Energy Commission PIER Program via Summers Consulting, LLC	\$80,000
James, Jenni	Agricultural Production Systems in Sub-Saharan Africa: An Analysis of Household-Level, Spatially Referenced Data International Food Policy Research Institute	\$22,000
McCorkle, Robert	U.S. Peace Corps On-campus Recruiter 2009-10 U.S. Peace Corps	\$15,855
Nicholson, Charles	Development of Modeling Approaches to Support California's Dairy Industry CSU - Agricultural Research Initiative	\$4,650
Nicholson, Charles	Analysis of Program Options to Reduce Dairy Price Volatility Milk Producers Council	\$15,000
Noel, Jay	The Impacts of Changes in Agricultural Transportation Sector on the Competitiveness of the California Specialty Crop Industry CSU - Agricultural Research Initiative (Systemwide)	\$99,161
Noel, Jay	The Impacts of Changes in Agricultural Transportation Sector on the Competitiveness of the California Specialty Crop Industry U.S. Dept of Agriculture (AMS) via CSU Fresno	\$30,000
Noel, Jay	The Impacts of Changes in Agricultural Transportation Sector on the Competitiveness of the California Specialty Crop Industry U.S. Dept of Agriculture via CA Dept of Food and Agriculture	\$167,266
Schroeter, Christiane	Developing a Business Model for a Campus Farmers Market: A Pioneer Study at Cal Poly CSU - Agricultural Research Initiative	\$20,000
Schroeter, Christiane	Examining the Competitiveness of Key Fruit and Vegetable Sectors in New York U.S. Dept of Agriculture (NIFA) via Cornell University	\$9,950
<u>Agricultural Education</u>		
Kellogg, Bill	San Luis Obispo Office Space and Services for CDE Agricultural Education Consultant (2010-12) U.S. Dept of Education via CA Dept of Education	\$26,799
<u>Animal Science</u>		
Burd, Matthew	Bone Density Measurement via Radiographic Calibration U.S. Dept of Agriculture (CSREES) via CSU Agricultural Research Initiative	\$61,609

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Edwards, Mark S	Comparative Adaptations To Herbivory In Equids And Other Species With Hindgut Fermentation CSU - Agricultural Research Initiative	\$65,285
Edwards, Mark S	Evaluation of two extruded feeds fed in conjunction with grass forage on variable response criteria in gelding American quarter horses (Equus caballus) Canidae Corporation	\$24,120
Horney, Marc	Characteristics of nesting sites selected by sage-grouse at Clear Lake NWR, Modoc County CA CSU - Agricultural Research Initiative	\$4,600
Humphrey, Brooke	Optimal Nutrition for Immunocompetence in Chickens CSU - Agricultural Research Initiative	\$36,400
Humphrey, Brooke	Acquisition of a Microcapillary Flow Cytometer for Animal Health Monitoring CSU - Agricultural Research Initiative	\$3,500
Plummer, William	How Sexed-Semen Characteristics Affect Fertilization Rate CSU - Agricultural Research Initiative	\$53,916
<u>BioResource and Agricultural Engineering</u>		
Burt, Charles ITRC (Irrigation Training and Research Center)	Fee-for-Service Agreement, ITRC Various Sponsors	\$847,623
Burt, Charles ITRC (Irrigation Training and Research Center)	GIS-based Water Routing/Scheduling Through Irrigation District Canal Systems CSU - Agricultural Research Initiative	\$25,000
Burt, Charles ITRC (Irrigation Training and Research Center)	CESU Project #1- 2008-13: Liaison Activites for the Klamath Project U.S. Dept of Interior, Bureau of Reclamation, Mid Pacific Region	\$75,000
Burt, Charles ITRC (Irrigation Training and Research Center)	Flight #6: Professional services for program management - 2009-2011 program period Southern California Edison	\$400,000
Burt, Charles ITRC (Irrigation Training and Research Center)	Use of Kaolin Spray to Reduce Pistachio Orchard Stress during Underirrigation U.S. Dept of Agriculture (CSREES) via CSU Agricultural Research Initiative	\$108,275
Burt, Charles ITRC (Irrigation Training and Research Center)	Technical assistance for CRIT automation and SCADA (phase 2) Colorado River Indian Tribes	\$61,964
Holtz, Andrew	Engineering Interventions to Promote Sustainability in Pre & Post Harvest Processing in the California Specialty Crop Sector CSU - Agricultural Research Initiative	\$5,000
Kelly, Shaun F	Development of Methods for In-situ Generation and Application of Ozone to Fumigate Soil as an Alternative to Methyl Bromide for Crop Production CSU - Agricultural Research Initiative	\$72,452
Styles, Stuart ITRC (Irrigation Training and Research Center)	Technical assistance program to water districts U.S. Dept of Interior, Bureau of Reclamation, Mid Pacific Region	\$48,000
Styles, Stuart ITRC (Irrigation Training and Research Center)	Evaluation of Modified Drip Irrigation Strategies on Strawberries: Maintenance of Yields While Reducing Irrigation Runoff to Coastal Streams from Sprinklers CSU - Agricultural Research Initiative	\$83,621

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Styles, Stuart ITRC (Irrigation Training and Research Center)	Water resource modernization training in the Philippines World Bank Group	\$34,700
<u>Dairy Science</u>		
Farkye, Nana DPTC (Dairy Products Technology Center)	Effective Seasonal Changes in Milk Quality on LMPS Mozzarella Saputo Cheese USA Inc.	\$1,349
Farkye, Nana DPTC (Dairy Products Technology Center)	Preventing the development of the undesirable burnt and roesy flavor in low fat cheese Dairy Management, Inc.	\$16,834
Farkye, Nana DPTC (Dairy Products Technology Center)	Natural mold inhibition in cheese by lactic acid bacteria Dairy Management, Inc.	\$55,000
Farkye, Nana DPTC (Dairy Products Technology Center)	Increasing proteolysis in lowfat Cheddar cheese to enhance texture Dairy Management, Inc.	\$49,500
Golden, Bruce	Bioinformatics to Implement Genomic Selection U.S. Dept of Agriculture (CSREES) - NRI via Iowa State University	\$198,952
Golden, Bruce	High capacity SNP arrays for detecting genetic effects on dairy production trait CSU - Agricultural Research Initiative (Systemwide)	\$150,000
Golden, Bruce	Nitrogen removal from dairy wastewater using a novel reciprocating biofilm reactor CSU - Agricultural Research Initiative	\$35,184
Golden, Bruce	Best Practices for Agriculture Waste Management U.S. Dept of Agriculture (NIFA)	\$280,800
Jimenez-Flores, Rafael DPTC (Dairy Products Technology Center)	Proteomic approach to study milk fat globule membrane proteins as biologically active compounds CSU - Agricultural Research Initiative (Systemwide)	\$149,418
Lammert, Amy	Developing Expertise in Sensory Evaluation CSU - Agricultural Research Initiative	\$4,650
Lammert, Amy	Developing a sensory evaluation research program Southern California Institute of Food Technologists Section (SCiftS)	\$7,755
Tong, Phillip DPTC (Dairy Products Technology Center)	Dairy Products Technology Industry Outreach Program - 2008-10 CA Dairy Research Foundation	\$110,700
Tong, Phillip DPTC (Dairy Products Technology Center)	Milk Protein Concentrate Functionality Improvement Program Dairy Management, Inc.	\$37,725
Tong, Phillip DPTC (Dairy Products Technology Center)	Evaluation of Properties of Vacuum Packaged Dry Dairy Powders Dairy Management, Inc.	\$5,500
Tong, Phillip DPTC (Dairy Products Technology Center)	Improving Dairy Ingredients Functionality Through Research & Training Collaboration CA Dairy Research Foundation	\$10,000
Tong, Phillip DPTC (Dairy Products Technology Center)	Cal Poly Dairy Ingredients Applications Program 2010 Dairy Management, Inc.	\$376,200

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Tong, Phillip	DPTC Operations 2010 - Continuing the Growth and Maintenance of a Sustainable California Dairy Industry in Domestic and Global Markets	\$113,400
DPTC (Dairy Products Technology Center)	CA Dairy Research Foundation	
<u>Food Science & Nutrition</u>		
Berner, Louise	Characterization of Protein Intakes Among Older Adults in the US: Quantity, Meal Patterns, Food Sources, Predictors of Adequacy, and Relationship to Anthropometric & Physical Functioning Measures	\$25,283
	CSU - Agricultural Research Initiative	
Bose, Tanushree	Regulation of NFkB dependent cytokine expression by Vitamin D in adipocytes	\$5,000
	CSU - Agricultural Research Initiative	
Bose, Tanushree	Effect of Vitamin D on inflammation-induced insulin resistance in adipocytes	\$6,000
	CSU - Agricultural Research Initiative	
Hall, Laura	FLASH College Study Vitamin D Subset Analysis	\$4,650
	CSU - Agricultural Research Initiative	
Hampson, Brian	Algal Biomass Production Using Closed-Loop Tubular Photobioreactors	\$53,775
	CSU - Agricultural Research Initiative	
Khalil, Hany	Defining Milk Quality for Today's Dairy Industry - Microbial and Ecology Approach	\$51,986
	CSU - Agricultural Research Initiative	
Lathrop, Amanda	Food Safety Lab Set-Up and Preliminary Data Generation	\$4,650
	CSU - Agricultural Research Initiative	
Lathrop, Amanda	Cal Poly food safety lab set-up	\$10,177
	Southern California Institute of Food Technologists Section (SCiftS)	
Nazmi, Aydin	Long-term inflammatory consequences of maternal smoking; findings from young adults belonging to a Brazilian birth cohort	\$5,000
	CSU - Agricultural Research Initiative	
Nicholson, Lisa	Using Facilitated Group Discussion to Enhance Parent Nutrition Education	\$4,994
	San Luis Obispo County Community Foundation	
Ritchie, Gerry	Wine Filtering & Monoblock Bottling System	\$110,000
	CSU - Agricultural Research Initiative	
<u>Horticulture & Crop Science</u>		
Brown, J Wyatt	Refurbishing the ICP Spectrometer for Interdepartmental Use	\$2,410
	CSU - Agricultural Research Initiative	
Garner, Lauren	The Effects of Foliar Nutrient Applications on the Incidence of Rind Creasing and Puffing of Sweet Oranges (Citrus sinensis)	\$20,000
	CSU - Agricultural Research Initiative	
Headrick, David	Citrus Leafminer Management Program for Nursery Citrus	\$5,150
	CA Citrus Nursery Board	
Headrick, David	Biological Control for Citrus Leafminer in Coastal California	\$19,500
	CSU - Agricultural Research Initiative	
Headrick, David	Biological Control of Elm Leaf Beetle Project	\$36,476
	State of Victoria, Australia - Department of Primary Industries	
Vassey, Terry L.	Growing Substrate and Plant Materials Choice for Extensive Green Roofs for the California Central Coast	\$1,200
	California Landscape Contractors Association - Landscape Educational Advancement Foundation	

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
<u>Natural Resource Management</u>		
Dicus, Christopher A.	Tradeoffs in Community Benefits Versus Fire Risk in Wildland/Urban Interface Forests CSU - Agricultural Research Initiative	\$41,498
Dicus, Christopher A.	Landscape-Level Impacts To Wildland Fire Severity, Carbon Sequestration And Air Quality As Affected By Alternative Fuel Treatment Strategies CSU - Agricultural Research Initiative	\$34,106
Dicus, Christopher A.	McIntire-Stennis - Impacts of Alternative Fuel Treatment Strategies on Landscape-level Wildland Fire Severity, Carbon Sequestration and Air Quality U.S. Dept of Agriculture (NIFA)	\$13,982
Dietterick, Brian	Accuracy of Derived Watershed and Channel Features in Forested Mountain Conditions Using LIDAR Terrain Data CSU - Agricultural Research Initiative	\$28,707
Dietterick, Brian	McIntire-Stennis - Calibration Analysis and Post-treatment Phasing of a Paired and Nested Watershed Study to Evaluate Event-Based Suspended Sediment Export U.S. Dept of Agriculture (CSREES)	\$24,765
Dietterick, Brian	Sustainable Agricultural Practices Workshop - from the forest, rangeland, and cropland to the sea National Oceanic and Atmospheric Administration - NOS	\$53,560
Gill, Samantha UFEI (Urban Forest Ecosystem Institute)	FIA urban forestry project U.S. Dept of Agriculture (Forest Service)	\$991,700
Mark, Walter UFEI (Urban Forest Ecosystem Institute)	Monterey pine propagation for California native stand conservation and for the nursery industry CSU - Agricultural Research Initiative	\$68,465
Mark, Walter	Southern Area Sudden Oak Death Monitoring Plan U.S. Dept of Agriculture (Forest Service)	\$27,000
Mark, Walter UFEI (Urban Forest Ecosystem Institute)	Regional Forest Health Specialist CA Dept of Forestry	\$402,029
Piirto, Douglas	McIntire-Stennis Forestry Research Program (2009-2010) U.S. Dept of Agriculture (NIFA)	\$49,005
Reimer, Jeff UFEI (Urban Forest Ecosystem Institute)	UFEI Website Resources for California CA Dept of Forestry	\$64,471
Sink, Scott	Start-up dendrochronology equipment for the NRM Department CSU - Agricultural Research Initiative	\$4,650
Thompson, Richard UFEI (Urban Forest Ecosystem Institute)	McIntire-Stennis - Identification of Forestland Management and Market Conditions for Profitable Investment in Carbon Storing Forestry-Offset Projects Using the California Climate Action Registry Protocols U.S. Dept of Agriculture (NIFA)	\$9,277
<u>Recreation, Parks, & Tourism Administration</u>		
Goldenberg, Marni	McIntire-Stennis - Longitudinal Research of Wilderness Participation in Forested Areas Using Means-End Analysis U.S. Dept of Agriculture (CSREES)	\$9,845

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Goldenberg, Marni	Longitudinal Research of Participation in a Wilderness Educational Experience Using Means-End Analysis CSU - Agricultural Research Initiative	\$20,000
Goldenberg, Marni	McIntire-Stennis - Examining Use of Forest Land: A Pacific Crest Trail Example U.S. Dept of Agriculture (CSREES)	\$15,000
<u>Architecture & Env Design</u>		
<u>Architectural Engineering</u>		
Brady, Pamalee	Implementation and Assessment of Failure Case Studies in the Engineering Curriculum National Science Foundation (CCLI) via Cleveland State University	\$10,000
<u>Architecture</u>		
Doerfler, James	Architecture Design Solutions Student Projects Autodesk Inc.	\$10,000
Pohl, Jens CADRC (Collaborative Agent Design Research Center)	ICODES Development and Software Maintenance Support – Stage 19 U.S. Dept of Defense via CDM Technologies, Inc.	\$349,993
Pohl, Jens CADRC (Collaborative Agent Design Research Center)	ICODES development and software maintenance support - Stage 20 U.S. Dept of Defense via CDM Technologies, Inc.	\$119,988
Pohl, Jens CADRC (Collaborative Agent Design Research Center)	ICODES Development and Software Maintenance Support – Stage 21 U.S. Dept of Defense via CDM Technologies, Inc.	\$239,977
<u>City & Regional Planning</u>		
Greve, Adrienne	City of San Luis Obispo Climate Action Plan U.S. Dept of Energy National Energy Technology Lab. (ARRA) via City of San Luis Obispo	\$30,000
Nuworsoo, Cornelius	Madera Ranchos Planning Project County of Madera	\$113,721
Nuworsoo, Cornelius	Lessons for Bike/Pedestrian Integration into the Infrastructure of Small Urban Communities U.S. Dept of Transportation and Caltrans via Mineta at SJSU	\$40,639
Nuworsoo, Cornelius	Smart Dial-a-Ride for Demand-Responsive Transit: Operations Analysis and Development of a Concept for Improvements CSU San Bernardino, Leonard Transportation Center	\$49,729
Nuworsoo, Cornelius	City of Arroyo Grande Community Planning Project City of Arroyo Grande	\$10,000
Toker, Umut	Draft Downtown Soledad Urban Design Plan - CRP 203 City of Soledad	\$9,835
Toker, Umut	Morro Bay Draft Downtown Specific Plan - CRP 553 City of Morro Bay	\$9,865

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
<u>Construction Management</u>		
Hauck, Allan	Contruction Management Education Account 2009-10 CA Contractors State License Board	\$41,279
Jackson, Barbara CCCE (California Center for Construction Education)	California Center for Construction Education Fee-for-Service Agreement Various Sponsors	\$5,000
<u>Business</u>		
<u>Accounting</u>		
Quijano, Eddy	Cal Poly Low Income Taxpayer Clinic Internal Revenue Service - (LITC)	\$40,000
<u>Economics</u>		
Hamilton, Stephen	Farm-Retail Price Transmission in Multi-Product Retail Environments U.S. Dept of Agriculture (CSREES) - AFRI	\$309,378
Hamilton, Stephen	Equilibrium Price and Design of New Food Products in a Social Network U.S. Dept of Agriculture (CSREES) - AFRI via Arizona State University	\$42,478
<u>Finance</u>		
Riener, Kenneth	Economic impact of diablo canyon nuclear energy facility Pacific Gas & Electric Company	\$28,897
<u>Industrial Technology</u>		
Singh, Jagjit	Fee-for-Service Agreement, Cal Pack Lab Various Sponsors	\$26,968
Tornatzky, Louis	IT Consortium Task #1: Life cycle inventory (LCI) as a tool for packaging sustainability IT Consortium	\$36,781
Tornatzky, Louis	IT Consortium Task #2: Development of a database of LCI based studies conducted worldwide for packaging applications IT Consortium	\$42,482
Tornatzky, Louis	IT Consortium Task #3: Validation of post-consumer recycled (PCR) and bio-based, biodegradable substrate composition, ASTM label claims for sustainability, food safety, performance and regulatory compliance IT Consortium	\$44,482
Tornatzky, Louis	IT Consortium Task #4: Migration of low-molecular weight compounds from polymeric substrates IT Consortium	\$44,482
Vorst, Keith	Predictive Growth Models for Escherichia coli O157:H7 on Fresh-Cut Produce During Transport and Cold Chain Distribution U.S. Dept of Agriculture (CSREES) - NIFSI	\$596,029
Vorst, Keith	Development of a bio-based and biodegradable polylactic acid spray coating and hot melt adhesive for corrugate and paperboard packages Henkel - Industrial Adhesives and LBP Manufacturing	\$159,059

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Education		
<u>Education</u>		
Konopak, Bonnie	Central California Partnership for Teacher Quality Programs: CSU Bakersfield, CSU Monterey Bay, Cal Poly U.S. Dept of Education via CSU Bakersfield	\$490,787
Engineering		
<u>Aerospace Engineering</u>		
Abercromby, Kira	Physical Properties of Orbiting Objects NASA via Jacobs Technology	\$47,988
Marshall, David D	The Integrated Modeling and Verification of Hybrid Wing-Body, Low Noise ESTOL Aircraft NASA - Langley Research Center	\$667,000
McDonald, Robert	A multidisciplinary geometry based framework connecting design, optimization, aerodynamics, and structures. NASA - Ames Research Center	\$49,610
McDonald, Robert	Cal Poly Flight Test Platform and Instrumentation Development U.S. Air Force, Edwards AFB	\$41,436
Puig-Suari, Jordi ATL (Advanced Technology Lab)	CubeSat integration and test support U.S. Army via Miltec Missiles & Space via SRI International	\$27,000
Puig-Suari, Jordi ATL (Advanced Technology Lab)	P-POD Integration and Launch Support NASA Wallops via Hawk Institute for Space Science LLC	\$32,500
Puig-Suari, Jordi ATL (Advanced Technology Lab)	P-POD and RocketPod on Steroids, Phase II Defense Advanced Research Projects Agency (DARPA) via Ecliptic Enterprises Corporation	\$300,000
Puig-Suari, Jordi ATL (Advanced Technology Lab)	Light Sail 1 mission Planetary Society via Stellar Explorations	\$159,600
Puig-Suari, Jordi ATL (Advanced Technology Lab)	Poly Picosatellite Orbital Deployer (P-POD) NPP Project Mission Support NASA - Kennedy Space Center	\$52,925
Puig-Suari, Jordi ATL (Advanced Technology Lab)	Mayflower P-POD Integration and Testing Support Applied Minds Inc.	\$55,000
<u>Civil & Environmental Engineering</u>		
Fiegel, Gregg	Water Jetting of CIDH Pile Anomalies CA Dept of Transportation (Caltrans), Division of Engineering Services	\$56,000
Fiegel, Gregg	NEESR-SG: Seismic Performance Assessment in Dense Urban Environments National Science Foundation via Consortium of Universities for Research in Earthquake Engineering	\$6,000
Goel, Rakesh	LNGTEMS/MOTEMS Performance-based seismic criteria California States Lands Commission (CSLC)	\$44,737

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Hanson, James	Collaborative Research: Innovative Learning Styles and Universal Access for Geotechnical Engineering Education National Science Foundation (CCLI)	\$45,920
Hanson, James	Evaluation of thermal conditions and mechanical response of liner systems at the Corralitos Regional Landfill, Task #1 South Central Solid Waste Authority	\$20,000
Jansen, Daniel	VOC emissions from flooring systems and the impact of floor leveling screeds Advanced Resurfacing Concrete Products, Inc.	\$6,143
Kachlakev, Damian I. NPIRC (National Pool Industry Research Center)	Durability Studies of Modified Plastering Mixes, Surface Deteriorations of Plastered Swimming Pools-Phase Seven National Plasterers Council Inc.	\$142,485
Kachlakev, Damian I. NPIRC (National Pool Industry Research Center)	IPSSA Protocol Phase 1 Independent Pool and Spa Service Association, Inc.	\$6,423
Lundquist, Trygve	Polytech Waterbag, Water Treatment for Disaster Relief National Collegiate Inventors and Innovators Alliance (NCIIA)	\$20,000
Moss, Robb ATL (Advanced Technology Lab)	Risk of Levee Failures in the Western U.S. U.S. Dept of Homeland Security via University of North Carolina	\$180,825
Moss, Robb	NEESR-CR: Seismic Earth Pressures on Retaining Structures National Science Foundation via University of California, Berkeley	\$27,356
Nelson, Yarrow M. ATL (Advanced Technology Lab)	Microalgae production and harvesting in wastewater MicroBio Engineering Inc.	\$54,036
Pande, Anurag	Collaborative Research: New Methods for Measuring, Evaluating and Predicting the Safety Impact of Road Infrastructure Systems on Driver Behavior National Science Foundation	\$78,000
Pande, Anurag	A Framework for Developing and Integrating Effective Routing Strategies within the Emergency Management Decision Support System for Transit Centers U.S. Dept of Transportation and Caltrans via Mineta Transportation Institute at San Jose State University	\$33,278
Pande, Anurag ATL (Advanced Technology Lab)	Assessment of Public Perception of User-Based fees and Tolls to Finance Transportation Infrastructure Improvements CSU San Bernardino, Leonard Transportation Center	\$49,995
Rahim, Ashraf M.	Evaluation of Waste Recycled Materials Applications in Highway Pavements in California: An Overview of Research CSU San Bernardino, Leonard Transportation Center	\$4,938
Rahim, Ashraf M.	Soil Stabilization Guide Caltrans via University of California, Davis	\$60,222
Rahim, Ashraf M.	Mitigating moisture susceptibility of asphalt mixes CSU San Bernardino, Leonard Transportation Center	\$48,140
<u>College of Engineering</u>		
Durgin, William	Support for the Cal Poly e-plane project California Space Grant Consortium	\$10,000
Walsh, Daniel	Master's of Science Specialization in Stem Cell Technology California Institute for Regenerative Medicine	\$945,948

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
<u>Computer Science</u>		
Clark, Christopher Marine Science (Center for Coastal Marine Sciences)	Ice-edge AUV mapping and navigation experiments in the arctic National Science Foundation	\$19,963
Clark, Christopher Marine Science (Center for Coastal Marine Sciences)	International: Underwater Archeology via Robotic Systems National Science Foundation (IRES)	\$150,000
Clements, John	Redesigning Introductory Computing: The Design Discipline. National Science Foundation via Adelphi University	\$13,300
Janzen, David	NSF CCLI: Test-Driven Learning with WebIDE National Science Foundation (CCLI)	\$153,344
<u>Electrical Engineering</u>		
Arakaki, Dean	Fee-for-Service Agreement, Cal Poly Antenna Anechoic Chamber Laboratory Various Sponsors	\$3,973
Arakaki, Dean	Fee-for-Service Agreement, Cal Poly Electromagnetic Compatability (EMC) Chamber Building 04, Room 112 Various Sponsors	\$120
Gerfen, Jeffrey ATL (Advanced Technology Lab)	Smart Dial-a-Ride for Demand-Responsive Transit Operations: Research and Development of a Prototype Dispatch Assistance Tool CSU San Bernardino, Leonard Transportation Center	\$49,990
Liddicoat, Albert	70MHz Channel Emulator Project Phase II NASA via Jet Propulsion Laboratory	\$10,000
Slivovsky, Lynne	Organic Twittering: A Service-Learning Approach to Green Jobs Corporation for National and Community Service (Learn and Serve) via CA Campus Compact	\$50,000
<u>Materials Engineering</u>		
Harding, Trevor	Testing services for Agilent Technologies Agilent Technologies, Inc	\$12,975
Vanasupa, Linda CSE (Center for Sustainability in Engineering)	Opening the Dialogue to Collaborate for Systemic Change at Cal Poly National Science Foundation via National Academy of Engineering	\$2,500
<u>Mechanical Engineering</u>		
Murray, William R	A Reusable, Oxidizer-Cooled, Hybrid Aerospike Rocket Motor for Flight Test NASA STTR Via Rolling Hills Research Corp.	\$300,000
Murray, William R	A Rayleigh Flow Experiment on N2O to Assess the Limits of N2O Cooling NASA via Rolling Hills Research Corp.	\$60,345
Murray, William R	Design, construction, and flight test of a hybrid rocket with a cooled aerospike nozzle California Space Grant Consortium	\$10,000
Westphal, Russell	Boundary Layer Data System for the Aerodynamic Efficiency Improvement Program, Phase 2 Tasks 3C and 3D Northrop Grumman	\$49,521

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Westphal, Russell	Cal Poly Laminar Flow Technology Development -2009 Northrop Grumman	\$178,620
Westphal, Russell	Boundary layer measurement on an operating SWT 2.3-101 wind turbine Siemens Energy Inc.	\$15,000
<u>Multicultural Engineering Program</u>		
Millan, Jose	MESA Schools Program 2008-2009 and 2009-2010 University of California	\$80,000
Millan, Jose	NSF / MESA CSEMS Scholarship Grant Program 2009 -2010 National Science Foundation via University of California, Office of the President - MESA	\$21,875
<u>Liberal Arts</u>		
<u>Cal Poly Arts</u>		
Wilt, Peter	Cal Poly Arts for 2009-2010 Season City of San Luis Obispo (PCC)	\$4,500
Wilt, Peter	Bill Harley National Endowment for the Arts via TourWest	\$2,500
Wilt, Peter	The Spirit of Uganda National Endowment for the Arts via TourWest	\$2,500
<u>Graphic Communication</u>		
Levenson, Harvey GrCI (Graphic Communication Institute)	Fee-for-Service Agreement, GrCI Various Sponsors	\$112,952
<u>Philosophy</u>		
Lin, Patrick	US Naval Academy fellowship U.S. Naval Academy	\$10,000
<u>Psychology & Child Development</u>		
Caldwell, Roslyn	Prevention and Intervention Services Proposal: The Bakari Project©: A mentoring, treatment intervention, and prevention program for juvenile male probationers San Luis Obispo County Probation Department	\$126,400
Caldwell, Roslyn	Prevention and Intervention Services Proposal: The Bakari Project©: A mentoring, treatment intervention, and prevention program for juvenile male probationers San Luis Obispo Sheriff's Department	\$47,130
Engle, Patrice	Regional indicators and data on early childhood development (ECD) and readiness to learn Inter-American Development Bank	\$50,232
Garcia, Julie	A Multi- Method Investigation of the Situational Cues and Contexts Inhibiting Women in STEM Settings National Science Foundation via Univ. Illinois at Chicago	\$49,603

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
<u>Social Sciences</u>		
Jones, Terry	Analysis of CA-SLO-1370 archaeological materials from Diablo Canyon's North Ranch Pacific Gas & Electric Company	\$23,251
Neill, Dawn	RUI: Urbanization and Parental Investment among Fijians National Science Foundation (RUI)	\$124,792
<u>Science & Mathematics</u>		
<u>Biological Sciences</u>		
Cano, Raul EBI (Environmental Biotechnology Institute)	Fee-for-Service Agreement, EBI Various Sponsors	\$15,533
Cano, Raul EBI (Environmental Biotechnology Institute)	Integrating molecular forensics into the undergraduate science, technology, engineering and mathematics (STEM) curriculum to Address Environmental, Health and Food Safety Issues in California Keck Foundation	\$250,000
Himelblau, Edward	Functional Genomics of Plant Polyploids National Science Foundation via University of California, Davis	\$49,977
Moline, Mark Marine Science (Center for Coastal Marine Sciences)	CeNCOOS: Long-Term Monitoring of Environmental Conditions in Support of Protected Marine Area Management in Central and Northern California NOAA via Monterey Bay Aquarium Research Institute	\$75,001
Moline, Mark Marine Science (Center for Coastal Marine Sciences)	Southern California Coastal Ocean Observing System (SCCOOS): Shelf to Shoreline Observation Development National Oceanic and Atmospheric Administration via Scripps Institution of Oceanography	\$82,846
Moline, Mark Marine Science (Center for Coastal Marine Sciences)	Dynamic Modeling of Marine Bioluminescence and Night Time Leaving Radiance U.S. Dept of the Navy, Office of Naval Research	\$39,095
Moline, Mark Marine Science (Center for Coastal Marine Sciences)	Variability of Near Surface Optical Properties in High Sea State Conditions Office of Naval Research via Oregon State University	\$94,106
Moline, Mark Marine Science (Center for Coastal Marine Sciences)	Evaluation of glider coatings against biofouling for improved flight performance U.S. Dept of the Navy, Office of Naval Research	\$54,871
Moline, Mark Marine Science (Center for Coastal Marine Sciences)	Fee-for-Service Agreement, Marine Sciences Various Sponsors	\$13,200
Moline, Mark Marine Science (Center for Coastal Marine Sciences)	Shelf to shoreline observation development - Ocean surface current mapping (SCM) component CA State Coastal Conservancy via Scripps Institution of Oceanography	\$170,000

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Moline, Mark Marine Science (Center for Coastal Marine Sciences)	Resolving complex flows in a reef/island environment U.S. Dept of the Navy, Office of Naval Research	\$119,305
Moline, Mark Marine Science (Center for Coastal Marine Sciences)	A coastal ocean circulation monitoring program for Northern and Central California (COCMP): HF-Radar for central and northern California CA State Coastal Conservancy via San Francisco State University	\$72,803
Perrine, John	Assessment of Wildlife Use of Hwy 101 Corridor Between San Luis Obispo and Atascadero CA Dept of Transportation (Caltrans) via CSU Trustees	\$58,841
Steinmaus, Scott	Assessing capeivy (Delairea odorata) management methods for the riparian habitat of Chorro Creek Morro Bay National Estuary Program	\$1,988
Taylor, Emily	NIH-NIGMS Bridges to the Baccalaureate Program National Institutes of Health via Allan Hancock College	\$7,846
Tomanek, Lars Marine Science (Center for Coastal Marine Sciences)	Collaborative Research: Evolutionary and Ecological Physiology of Blue Mussels (genus Mytilus): Gene and Protein Expression and Molecular Evolution in Differently-adapted Congeners National Science Foundation	\$32,200
Wendt, Dean Marine Science (Center for Coastal Marine Sciences)	Biological Assessment of the Efficacy of Non-toxic, Fouling Release Coatings and Investigations of the Mechanisms Controlling Elastomeric Coating Performance U.S. Dept of the Navy, Office of Naval Research	\$173,311
Wendt, Dean Marine Science (Center for Coastal Marine Sciences)	Field testing of emergent marine coatings for the Center for Nanoscale Science and Engineering at North Dakota State University North Dakota State University	\$36,000
Wendt, Dean Marine Science (Center for Coastal Marine Sciences)	Evaluation of operational effectiveness of SLOSEA David and Lucile Packard Foundation	\$46,298
<u>Chemistry and Biochemistry</u>		
Costanzo, Philip	Development of Thermally Responsive Binders Designed for Insensitive Munitions Applications Army Research Laboratory	\$104,781
Costanzo, Philip	Incorporation of latent cysteine-like residues for the development of novel coupling chemistry Research Corporation (Cottrell College Science Awards)	\$17,785
Fernando, Raymond	Low VOC, stain blocking specialty primer coating CA Air Resources Board	\$99,983
Jones, Dane	Development of Novel Polymer Precursors Chemlogics Group	\$5,000
Jones, Dane	Fee-for-Service Agreement, Polymers and Coatings Laboratory Various Sponsors	\$35,250

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Lehr, Corinne	Collaborative Research: The Genetics Underlying Prokaryote-Antimony Interactions, with Emphasis on Antimony Oxidation National Science Foundation	\$51,529
Neff, Grace Ann	Central coast science project 2008-2011 University of California, Office of the President - California Science Project	\$48,000
Robins, Lori	Discovery of H. pylori aldo-keto reductase inhibitors Research Corporation (Cottrell College Science Awards)	\$35,000
<u>Kinesiology</u>		
McDermott, Ann	Community Advocacy to Prevent Childhood Obesity in San Luis Obispo California Endowment via San Luis Obispo County - Public Health Services	\$18,500
Phelan, Suzanne	Proposal for Study to Promote Healthy Weight Gain During Pregnancy National Institutes of Health via Lifespan at Miriam Hospital	\$63,795
Phelan, Suzanne	Nutritionist services for on-line nutrition intervention U.S. Dept. of Agriculture via California Department of Public Health via County of San Luis Obispo WIC	\$16,000
Phelan, Suzanne	Technical services for on-line nutrition intervention U.S. Dept. of Agriculture via CA Department of Public Health via County of San Luis Obispo WIC	\$25,250
Tseng, Marilyn	Isoflavones, Equol Producing Status, and Breast Density in US Chinese Women National Institutes of Health via Fox Chase Cancer Center	\$103,240
Tseng, Marilyn	Diet and breast density over time in US Chinese women National Institutes of Health via Fox Chase Cancer Center	\$238,267
<u>Liberal Studies</u>		
Berber-Jimenez, M. Dolores	California Science Project Teacher Retention Initiative CA Postsecondary Education Commission via Regents of University of California	\$100,000
<u>Mathematics</u>		
Agronsky, Steven	Mathematics diagnostic testing project (MDTP) 2009-2011 University of California	\$28,840
Riley, Kate	Central Coast Mathematics and Science Project CA Dept of Education via Santa Maria-Bonita School District	\$2,077
Yoshinobu, Stan	Academy of Inquiry Based Learning (AIBL) at Cal Poly San Luis Obispo Educational Advancement Foundation	\$44,192
<u>Physics</u>		
Christiansen, Jodi	RUI: Analysis of TeV Gamma-rays and Pulsars Observed by VERITAS National Science Foundation	\$165,666
Gillen, Glen	Refractive Index and Thermo-Optic Coefficient Measurements of Materials in the Near-Infrared Regime U.S. Air Force via General Dynamics Information Technology, Inc.	\$18,400
Gillen, Katharina	RUI: Investigation of Atomic Dipole Traps Created by Diffraction of Laser Light for Use in Quantum Computing National Science Foundation (RUI)	\$200,000
Gutierrez, Thomas	RUI: Analysis, simulation, and onsite activities contributing to the search for neutrinoless double beta decay in tellurium using the CUORE detector National Science Foundation (RUI)	\$80,631

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Holtzapple, Robert	Beam dynamic work at Cornell National Science Foundation via Cornell University	\$137,945
Johnston, Scott	Collaborative Research: Testing Burial/Exhumation Models for the Evolution of a (U)HP Terrane in an Orogenic Upper Plate, Liverpool Land, East Greenland National Science Foundation (EAR)	\$30,446
Keller, John CESaME (Center for Excellence in Science and Mathematics Education)	Robert Noyce Scholarship Program National Science Foundation (DUE)	\$16,500
Keller, John CESaME (Center for Excellence in Science and Mathematics Education)	Science teacher and researcher (STAR) national pilot proposal National Science Foundation	\$536,951
Keller, John CESaME (Center for Excellence in Science and Mathematics Education)	CSU science teacher and researcher (STAR): Strengthening K-12 science teaching in California S. D. Bechtel, Jr. Foundation	\$265,000
Klay, Jennifer	Software Development for Time Projection Chamber U.S. Dept of Energy via Georgia Institute of Technology	\$115,598

Student Affairs

Student Academic Services

Gonzalez, Luis	Cal Poly Upward Bound Project (2007-2012) U.S. Dept of Education	\$387,523
Margarito, Cesar	Student Support Services Program (2005- 2010) U.S. Dept of Education	\$307,863
Olvera, Nelda	Talent Search Program (2007- 2012) U.S. Dept of Education	\$226,600

Student Life & Leadership

Campbell, Renoda	CULTUREFEST 2009 City of San Luis Obispo (PCC)	\$1,800
Harkins, Joy	Cal Poly's PROMISE Fellows Program - Community Partners 2009-10 Various Non-Profit Organizations	\$72,800
Lamb, Stephan	Cal Poly's PROMISE Fellows Program - Community Partners 2008-09 Various Non-Profit Organizations	\$40,000
Lamb, Stephan	Central Coast Volunteer Corps 2010 AmeriCorps via CA Volunteers	\$384,941
Lamb, Stephan	California's PROMISE (Pooling Regional Opportunities Maximizes Intensive Service Enhancement) Fellows AmeriCorps via Napa County Office of Education	\$147,987
Lamb, Stephan	Central Coast Volunteer Corps 2009-10 Community Partners Various Non-Profit Organizations	\$153,400

GRANTS AND CONTRACTS AWARDED IN FY 09/10

PI	TITLE AGENCY	AMOUNT
Mockford, Jason	Cal Poly Open House 2010 City of San Luis Obispo (PCC)	\$1,000
Other		
<u>Academic Programs</u>		
Conn, W. David	Louis Stokes Alliance for Minority Participation Program (LSAMP) National Science Foundation via CSU, Sacramento University Enterprises, Inc.	\$86,000
Conn, W. David	Louis Stokes Alliance for Minority Participation Program (LSAMP) Student Scholar Program 2009-10 National Science Foundation via CSU, Sacramento University Enterprises, Inc.	\$5,000
Conn, W. David	Louis Stokes Alliance for Minority Participation Program (LSAMP) Student Scholar Program 2010-11 National Science Foundation via CSU, Sacramento University Enterprises, Inc.	\$25,731
<u>Center for Teaching & Learning</u>		
Grimes, Joseph	Universal design for learning/EnACT~PTD learning community U.S. Dept of Education via Sonoma State University	\$9,720
<u>Facility Services</u>		
French, Brian	Gilardi Road Bridge Replacement Federal Highway Administration via CA Dept of Transportation (Caltrans)	\$94,766
<u>Honors Program</u>		
Alptekin, Sema E.	California's Call to Service Initiative (Allocation Process 2008-2009) CSU Chancellor's Office Community Service Learning	\$48,000
Alptekin, Sema E.	California's Call to Service Initiative (Allocation Process 2009-2010) CSU Chancellor's Office Community Service Learning	\$45,000
<u>Performing Arts Center</u>		
Regier, Ron	Youth Outreach for the Performing Arts Center United Way of San Luis Obispo County	\$4,000
<u>University Police Department</u>		
Jordan, Donna	AVOID the 14 DUI Campaign - San Luis Obispo County CA Office of Traffic Safety (OTS) via Paso Robles Police Department	\$5,250
Jordan, Donna	AVOID the 14 DUI Campaign - San Luis Obispo County CA Office of Traffic Safety (OTS) via Arroyo Grande Police Department	\$18,978
GRAND TOTALS:		242 Projects \$20,310,203

FACULTY/STAFF PARTICIPATING IN NEW PROJECTS FUNDED IN FY 09/10

Name	Department
Adams, Nikki	Biological Sciences
Agronsky, Steven	Mathematics
Alptekin, Sema E.	Honors Program
Amspacher, William	Agribusiness
Arakaki, Dean	Electrical Engineering
Auten, Steve	Swanton Pacific Ranch
Berber-Jimenez, M. Dolores	Liberal Studies
Black, Michael	Biological Sciences
Bose, Tanushree	Food Science & Nutrition
Brady, Pamalee	Architectural Engineering
Brown, J Wyatt	Horticulture & Crop Science
Browneller Paradis, Peggy	Education
Burd, Matthew	Animal Science
Burgess, Susan	Swanton Pacific Ranch
Burt, Charles	BioResource and Agricultural Engineering
Busch, Bryan	Irrigation and Training Research Center
Bush, Seth	Chemistry and Biochemistry
Cai, Xiaowei	Agribusiness
Calcagno, Ellen	Natural Resource Management
Caldwell, Roslyn	Psychology & Child Development
Camilli, Kim	Natural Resource Management
Campbell, Renoda	Student Life & Leadership
Cano, Raul	Biological Sciences
Cardinal, Kristen	Biomedical and General Engineering
Cardinal, Trevor	Biomedical and General Engineering
Carpenter, Thomas	Mechanical Engineering
Casey, Jena	Swanton Pacific Ranch
Ceaser, Lisbeth	Education
Claassen, Gordon	Swanton Pacific Ranch
Clark, Chris	City & Regional Planning
Clark, Christopher	Computer Science
Clements, John	Computer Science
Coelho, Roland	Aerospace Engineering
Conn, W. David	Academic Programs
Cooke, Terry	Mechanical Engineering
Costanzo, Philip	Chemistry and Biochemistry
Cruzat, Norinne	Accounting

Name	Department
Jud, Eugene	Civil & Environmental Engineering
Kachlakev, Damian I.	Civil & Environmental Engineering
Keller, John	Physics
Kellogg, Bill	Agricultural Education
Kitts, Christopher L	Biological Sciences
Klemin, Melody	Performing Arts Center
Konopak, Bonnie	Education
Laiho, Lily	Biomedical and General Engineering
Lamb, Stephan	Student Life & Leadership
Lammert, Amy	Dairy Science
Lathrop, Amanda	Food Science & Nutrition
Lehr, Corinne	Chemistry and Biochemistry
Lehr, Jane	Ethnic Studies
Lemieux, Patrick	Mechanical Engineering
Lin, Patrick	Philosophy
Lundquist, Trygve	Civil & Environmental Engineering
Mark, Walter	Natural Resource Management
McCorkle, Robert	Agribusiness
McDonald, Robert	Aerospace Engineering
Mello, Joseph D.	Mechanical Engineering
Millan, Jose	Multicultural Engineering Program
Mitra, Sudeshna	Civil & Environmental Engineering
Mockford, Jason	Student Life & Leadership
Moline, Mark	Biological Sciences
Moss, Robb	Civil & Environmental Engineering
Mulligan, Patricia	Teacher Education
Murray, William R	Mechanical Engineering
Nazmi, Aydin	Food Science & Nutrition
Neff, Grace Ann	Chemistry and Biochemistry
Neill, Dawn	Social Sciences
Nelson, Yarrow M.	Civil & Environmental Engineering
Nicholson, Charles	Agribusiness
Nicholson, Lisa	Food Science & Nutrition
Noel, Jay	Agribusiness
Nuworsoo, Cornelius	City & Regional Planning
O'Bryant, Camille	Kinesiology
Pande, Anurag	Civil & Environmental Engineering

FACULTY/STAFF PARTICIPATING IN NEW PROJECTS FUNDED IN FY 09/10

Name	Department
Dang, Li	Accounting
Davol, Andrew	Mechanical Engineering
Dekhtyar, Alexander	Computer Science
Dekhtyar, Olga	Statistics
Del Rio Nascimento, Vicente	City & Regional Planning
Dicus, Christopher A.	Natural Resource Management
Dietterick, Brian	Natural Resource Management
Doerfler, James	Architecture
Durgin, William	College of Engineering
Edwards, Mark S	Animal Science
Engle, Patrice	Psychology & Child Development
Farkye, Nana	Dairy Science
Fernando, Raymond	Chemistry and Biochemistry
Fiegel, Gregg	Civil & Environmental Engineering
Freeman, Beau	BioResource and Agricultural Engineering
Garcia, Julie	Psychology & Child Development
Gaudi, Franklin	BioResource and Agricultural Engineering
Gerfen, Jeffrey	Electrical Engineering
Gill, Samantha	Natural Resource Management
Gillen, Katharina	Physics
Goel, Rakesh	Civil & Environmental Engineering
Golden, Bruce	Dairy Science
Goodman, Anya	Chemistry and Biochemistry
Greve, Adrienne	City & Regional Planning
Grimes, Joseph	Center for Teaching & Learning
Grundmeier, Todd	Mathematics
Gutierrez, Thomas	Physics
Hall, Garrett J.	Civil & Environmental Engineering
Hall, Laura	Food Science & Nutrition
Hamilton, Stephen	Economics
Hampson, Brian	Food Science & Nutrition
Hanson, James	Civil & Environmental Engineering
Harding, Trevor	Materials Engineering
Harkins, Joy	Student Life & Leadership

Name	Department
Perrine, John	Biological Sciences
Phelan, Suzanne	Kinesiology
Piao, Xianshu	Irrigation and Training Research Center
Piirto, Douglas	Natural Resource Management
Pike, Amy	Dairy Products Technology Center
Pohl, Jens	Architecture
Puig-Suari, Jordi	Aerospace Engineering
Quijano, Eddy	Accounting
Rahim, Ashraf M.	Civil & Environmental Engineering
Rebar, Bryan	Teacher Education
Regier, Ron	Performing Arts Center
Riener, Kenneth	Finance
Ritchie, Gerry	Food Science & Nutrition
Robbins, Ian	Biological Sciences
Robertson, Bruce	Industrial Technology
Robins, Lori	Chemistry and Biochemistry
Schroeter, Christiane	Agribusiness
Schwartz, Peter	Physics
Shelton, Mark	College of Agriculture
Shumate, James	Food Science & Nutrition
Simonian, Lonny G.	Construction Management
Singh, Jagjit	Industrial Technology
Sink, Scott	Natural Resource Management
Slivovsky, Lynne	Electrical Engineering
Soto, Monte	Irrigation and Training Research Center
Stankus, Mark	Mathematics
Stauch, Nancy	Teacher Education
Steinmaus, Scott	Biological Sciences
Styles, Stuart	BioResource and Agricultural Engineering
Thatcher, Tracy	Civil & Environmental Engineering
Thompson, Richard	Natural Resource Management
Toker, Umut	City & Regional Planning
Tong, Phillip	Dairy Science
Tornatzky, Louis	Industrial Technology

FACULTY/STAFF PARTICIPATING IN NEW PROJECTS FUNDED IN FY 09/10

Name	Department
Hauck, Allan	Construction Management
Headrick, David	Horticulture & Crop Science
Hess, Jeffrey	Marketing
Hockaday, Neil	College of Engineering
Holman, Monica	Irrigation and Training Research Center
Holtz, Andrew	BioResource and Agricultural Engineering
Holtzapple, Robert	Physics
Horney, Marc	Animal Science
Howes, Daniel	Irrigation and Training Research Center
Humphrey, Brooke	Animal Science
Hurley, Sean	Agribusiness
Immoos, Chad E.	Chemistry and Biochemistry
James, Jenni	Agribusiness
Jansen, Daniel	Civil & Environmental Engineering
Janzen, David	Computer Science
Jones, Dane	Chemistry and Biochemistry
Jones, Terry	Social Sciences
Jordan, Donna	University Police Department

Name	Department
Torrey, Jesse	Student Life & Leadership
Trice, Thomas	History
Truch, Nina	Communication Studies
Tseng, Marilyn	Kinesiology
Vanasupa, Linda	Materials Engineering
Vassey, Terry L.	Horticulture & Crop Science
Victorino, Christine	Center for Teaching & Learning
Vorst, Keith	Industrial Technology
Walsh, Daniel	College of Engineering
Watton, William	University Police Department
Wendt, Dean	Biological Sciences
Westphal, Russell	Mechanical Engineering
Wilt, Peter	Cal Poly Arts
Wood, Zoe	Computer Science
Yesiller, Nazli	Civil & Environmental Engineering
Yildiz, Ilhami	BioResource and Agricultural Engineering
Yoshinobu, Stan	Mathematics
Zelenke, Brian	Biological Sciences